



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

*[Signature]*

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/743,930	12/23/2003	Dale S. Jensen	3016.2.3	9008
7590	04/20/2005		EXAMINER	
STREETWEATHER & ASSOCIATES 9035 S 1300 E, Suite 200 Sandy, UT 84094			GRAVINI, STEPHEN MICHAEL	
			ART UNIT	PAPER NUMBER
			3749	

DATE MAILED: 04/20/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/743,930	JENSEN ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Stephen Gravini	3749	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on 16 February 2005.
- 2a) This action is **FINAL**.                    2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 10-27 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_\_ is/are allowed.
- 6) Claim(s) 10-27 is/are rejected.
- 7) Claim(s) \_\_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All    b) Some \* c) None of:
1. Certified copies of the priority documents have been received.
  2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- 1) Notice of References Cited (PTO-892)                    4) Interview Summary (PTO-413)  
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)                    Paper No(s)/Mail Date. \_\_\_\_\_ .  
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_ .                    5) Notice of Informal Patent Application (PTO-152)  
6) Other: \_\_\_\_\_ .

## **DETAILED ACTION**

### ***Claim Objections***

Claim 10 is objected because it recites more than a single sentence, as required under current Office practice (deletion of the period after "and trailing portion" recitation would overcome this objection). Claim 11 is objected to because it depends upon itself. Appropriate correction is required.

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

### ***Claim Rejections - 35 USC § 112***

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims 10-14, 17-18, 21-22, and 25-27 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claims contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventors, at the time the application was filed, had possession of the claimed invention. The amended features of "leading" and "trailing" in the claims and in the specification are considered new matter. The original specification discussed a first and second surface wherein the first surface was specified as a leading surface. However it is not considered that the introduction of a trailing feature from the specification, can be reasonably conveyed to one skilled in the art that, the original invention, as filed, described that feature. The

newly specified and claimed leading and trailing features are considered to introduce new matter and are therefore rejected under the first paragraph of this statute.

***Claim Rejections - 35 USC § 102***

Claims 10-12, 15-16, and 25-26 are rejected under 35 U.S.C. 102(b) as being anticipated by Holland (US 5,105,503). Examiner will treat the claims in light of the prior art under the assumption that the claims are not rejected under the first paragraph of section 112 of the patent statute. Holland is considered to disclose the claimed device comprising:

a leading portion **13** coupled to the device and configured to penetrate fabric;  
a trailing portion **24c** coupled to the device and configured to penetrate fabric;  
and

an extraction slot **26** formed by the leading portion and the trailing portion wherein the leading portion comprises a plurality of channels **33** extending from a leading surface of the leading portion to a trailing surface of the leading portion. Holland is also considered to disclose the claimed V-shape (column 5 line 18), carpet fabric (column 1 line 13), entire width extraction slot (see figures 1, 2, & 4), and sloping travel facilitating member (see figure 5).

***Claim Rejections - 35 USC § 103***

Claims 13-14, 17-24, and 27 are rejected under 35 U.S.C. 103(a) as being unpatentable over Holland in view of Haynie (US 6,266,892). Holland is considered to disclose the claimed invention, as discussed above under the anticipatory rejection, except for the claimed substantially circular or rectangular cross sections with rounded

edges. Haynie, another vacuum head device, is considered to disclose a substantially circular or rectangular cross sections with rounded edges. It would have been obvious to one skilled in the art to combine the teachings of Holland, with the substantially circular or rectangular cross sections with rounded edges, considered disclosed by Haynie for the purpose of optimally streamlining a vacuum head device for removing a greater percentage of fluids from a desired surface.

***Conclusion***

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Stephen Gravini whose telephone number is 571 272

4875. The examiner can normally be reached on normal weekday business hours (east coast time).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ira S. Lazarus can be reached on 571 272 4877. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

SMG  
April 15, 2005

*Stephanie Gharavi*